



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090139

**Mode:** Highway

**Status:** Submitted

### US-158

**From/Cross Street:** East of NC 34 at Belcross in Camden County

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** NC 168 in Currituck County

**Project Category:** Statewide Mobility

**Length:** 10.28

**TIP#:** R-2574

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$124,500,000

#### Description:

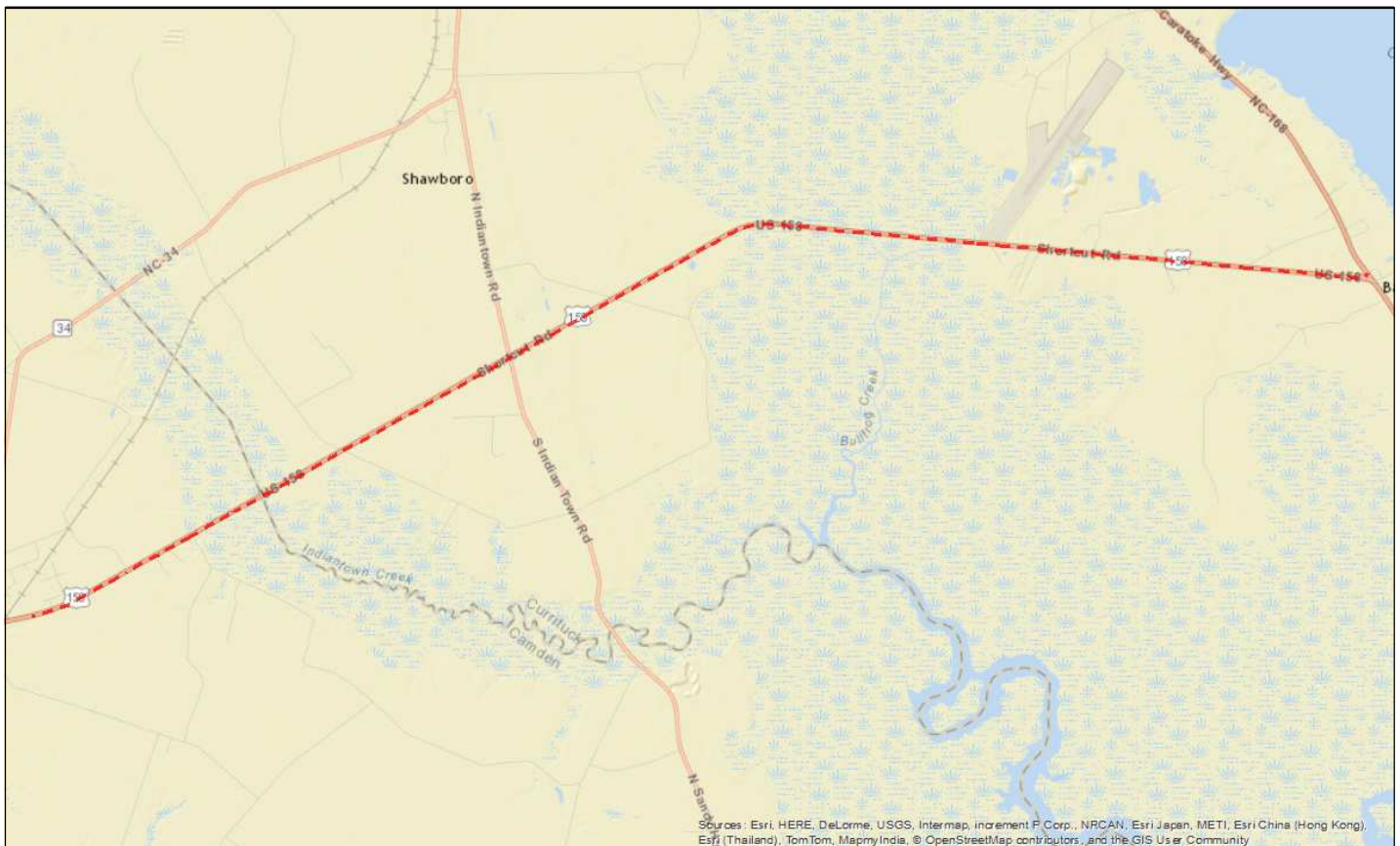
Widen to Multi-Lanes.

**Division(s):** Division 1

**County(s):** CURRITUCK, CAMDEN

**MPOS(s)/RPO(s):** Albemarle RPO

### Project Location



**Statewide Mobility Total Score: 12.92**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Travel Time] Benefit/Cost (30%) 0.05 Congestion (V/C) (30%) 25.90 Safety (10%) 42.82 Economic Competitiveness (10%) 1.01 Multimodal + [Freight & Military] (20%) 3.75	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 12.92</b>		

**Regional Impact Total Score: 45.32**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Paved] Shoulder Width (10%) 50.00 Congestion (V/C) (15%) 25.90 [Travel Time] Benefit/Cost (20%) 0.05 Safety (15%) 42.82 Lane Width (10%) 0.00	Percent: 15% Points: 100	Percent: 15% Points: 100
<b>Totals: Weight: 70% Weighted Score: 15.32</b>		

**Division Needs Total Score: 11.88**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (10%) 25.90 Safety (10%) 42.82 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 50.00 [Travel Time] Benefit/Cost (10%) 0.05	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 11.88</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	10.28
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	6065.83
Capacity:	15505.14
Volume/Capacity Ratio:	0.39
% Autos:	88%
% Trucks:	12%
Truck Volume:	750.26
Crash Density:	47.39
Crash Severity:	46.64
Critical Crash Rate:	34.44
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	32
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	81
Actual Congested Speed:	55.21
Travel Time Index:	0.99

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	10.28
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	265377.42
Travel Time Savings for 30 Years (Autos):	232553.67
Travel Time Savings for 30 Years (Trucks):	32823.75
Long-Term Employment:	4
% Change in Economy:	1.62E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 1

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 1	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Albemarle RPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$82,500,000	TIP Unit
Right-of-Way Cost:	\$40,600,000	TIP Unit
Utilities Cost:	\$1,400,000	TIP Unit
Total Project Cost:	\$124,500,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$124,500,000</b>	